IN THE CLAIMS

Kindly amend the claims as indicated below. A marked-up version of the amended

claims, showing insertions and deletions, is included in Appendix A.

1 1. (Thrice Amended) A telephone to packet adapter for routing an outgoing call issued

2 by a telephone set in a user's home, said adapter comprising:

3   a telephone line interface configured to be connected to a user's home telephone line;

4   a telephone interface configured to be connected to the telephone set;

5   a packet network interface configured to be connected to a packet network;

6   a controller circuit interconnecting said telephone line interface, said telephone

7 interface and said packet network interface;

8   said controller circuit being so configured as to route said outgoing call to one of said

9 telephone line and said packet network interfaces depending on at least one preestablished

10 routing rule;

11   wherein said at least one preestablished routing rule is such that a) said outgoing call is

12 routed to said telephone line interface when a dialled telephone number is a local call and b)

13 said outgoing call is routed to said packet network interface when the dialled telephone

14 number is not a local call.

1   6.   (Thrice Amended) A telephone to packet adapter for routing an outgoing call issued

2   by a telephone set in a user's home, said adapter comprising:

3   a telephone line interface configured to be connected to a user's home telephone line;

4   a telephone interface configured to be connected to the telephone set;

5   a packet network interface configured to be connected to a packet network;

6   a controller circuit interconnecting said telephone line interface, said telephone

7   interface and said packet network interface;

8   said controller circuit being so configured as to route said outgoing call to one of said

9   telephone line and said packet network interfaces depending on at least one preestablished

10 routing rule;

11   wherein said at least one preestablished routing rule is such that said outgoing call is

12 routed to said telephone line interface when no packet network address corresponding to a

13 dialled telephone number exist.

1   8.   (Thrice Amended) A telephone to packet adapter for routing an outgoing call issued

2   by a telephone set in a user's home, said adapter comprising:

3   a telephone line interface configured to be connected to a user's home telephone line;

4   a telephone interface configured to be connected to the telephone set;

5   a packet network interface configured to be connected to a packet network;

6   a controller circuit interconnecting said telephone line interface, said telephone

7   interface and said packet network interface;

8   wherein said controller circuit includes a telephone number database of telephone

9   numbers that may be reached via the packet network; said at least one preestablished routing

10   rule is such that a) said outgoing call is routed to said telephone line interface when a dialled

11   telephone number is not present in said telephone number database and b) said outgoing call is

12   routed to said packet network interface when the dialled telephone number is listed in said

13   telephone number database.

1   9.   (Thrice Amended) A telephone to packet adapter for routing an outgoing call issued

2   by a telephone set in a user's home, said adapter comprising:

3   a telephone line interface configured to be connected to a user's home telephone line;

4   a telephone interface configured to be connected to the telephone set;

5   a packet network interface configured to be connected to a packet network;

6   a controller circuit interconnecting said telephone line interface, said telephone

7   interface and said packet network interface;

8   wherein said at least one preestablished routing rule is such that said outgoing call is

9   routed to said telephone line interface when said packet network is inactive.

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1   11.   (Amended) A telephone to packet adapter comprising:

2   a telephone line interface configured to be connected to a user's home telephone line;

3   a telephone interface configured to be connected to a telephone set;

4   a Local Area Network interface configured to be connected to a Local Area Network;

5   a packet network interface configured to be connected to a packet network; and

6   a controller circuit interconnecting said telephone line interface, said telephone

7   interface, said Local Area Network interface and said packet network interface; said controller

8   circuit being so configured as to either a) route said telephone interface to one of said

9   telephone line and said packet network interfaces and b) route said Local Area Network

10   interface to one of said telephone line and said packet network interfaces, depending on at

11   least one preestablished routing rule.

1   19.   (Thrice Amended) A method for routing a telephone call issued by a telephone set in a

2   user's home via a telephone to packet adapter provided with a telephone line interface, a

3   telephone interface, a packet network interface and a controller circuit interconnecting the

4   telephone line, telephone and packet network interfaces; said method comprising the steps of:

5   connecting a user's home telephone line to the telephone line interface;

6   connecting the telephone set to the telephone interface;

7   connecting the adapter to a packet network via the packet network interface;

8   running an agent software for routing the telephone call to either the telephone line

9   interface or the packet network interface depending on at least one preestablished routing rule;

10   wherein said at least one preestablished routing rule includes a long distance call

11   routing rule; said long distance call routing rule dictates that the telephone interface is to be

12   routed to the packet network interface when a number dialled onto the telephone set is a long

13   distance call.

23. (Thrice Amended) A method for routing a telephone call issued by a telephone set in a user's home via a telephone to packet adapter provided with a telephone line interface, a telephone interface, a packet network interface and a controller circuit interconnecting the telephone line, telephone and packet network interfaces; said method comprising the steps of:

connecting a user's home telephone line to the telephone line interface;

connecting the telephone set to the telephone interface;

connecting the adapter to a packet network via the packet network interface;

running an agent software for routing the telephone call to either the telephone line interface or the packet network interface depending on at least one preestablished routing rule;

wherein said at least one preestablished routing rule includes a default routing rule;

said default routing rule dictates that the telephone interface is to be routed to the telephone line interface when either a) a number dialled onto the telephone set has no corresponding packet network address or b) the packet network is inactive.

1 25. (Thrice Amended) A method for routing a telephone call issued by a telephone set in a

2 user's home via a telephone to packet adapter provided with a telephone line interface, a

3 telephone interface, a packet network interface and a controller circuit interconnecting the

4 telephone line, telephone and packet network interfaces; said method comprising the steps of:

5   connecting a user's home telephone line to the telephone line interface;

6   connecting the telephone set to the telephone interface;

7   connecting the adapter to a packet network via the packet network interface;

8   running an agent software for routing the telephone call to either the telephone line

9 interface or the packet network interface depending on at least one preestablished routing rule;

10   wherein said at least one preestablished routing rule includes a database determined

11 routing rule; said database determined routing rule dictates that a) the telephone interface is

12 routed to the packet network interface when a number dialled onto the telephone set is present

13 in a database of the controller circuit; and b) the telephone interface is routed to the telephone

14 line interface when a number dialled onto the telephone set is not present in the database.

1   26.   (Twice Amended) A method for routing outgoing telephone calls to a packet network

2   via a telephone to packet adapter provided with a telephone line interface, a telephone

3   interface, a Local Area Network interface, a packet network interface and a controller circuit

4   interconnecting the telephone line, telephone, packet network and Local Area Network

5   interfaces; said method comprising the steps of:

6   connecting a user's home telephone line to the telephone line interface;

7   connecting a telephone set to the telephone interface;

8   connecting a Local Area Network to the Local Area Network interface;

9   connecting a packet network interface to the packet network interface;

10   running an agent software for routing either a) the telephone interface to one of the

11   telephone line interface and the packet network interface, or b) the Local Area Network

12   interface to one of the telephone line interface and the packet network interface, depending on

13   at least one preestablished routing rule.